



**Product Code . EL-TWL-11777**

## Metacentric Height Apparatus

### Description

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#### Metacentric Height Apparatus

##### Description:-

A small ship model having provision to put the load on the deck or at the base and an arrangement to measure the inclination due to loading.

##### Specification:-

A flat-bottomed semi-circular ship model of size 380 x 250 x 170mm.

A tank of size 60 x 60 x 30cm fitted with piezometer tube to measure the level of water.

This apparatus is used to determine the metacentric height of a ship model under load and unload condition, (flat-bottomed vessel).

This apparatus consists of:-

The transparent sheet is provided on the front of the tank.

A pointer to measure the angle of heel up to  $\pm 15^\circ$ .

A crossbar arrangement with the provision of angling movable weights at the known distance from the vertical axis through C.G.




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Additional five hanging weights (50 gm. each) are provided.

The tanks are well epoxy painted inside to prevent rust hence increase the life of the tank.

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